UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,647,255 B2 Page 1 of 4

APPLICATION NO.: 10/763803
DATED: January 12, 2010
INVENTOR(S): Jihua Wang

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The Title Page, showing an illustrative Figure, should be deleted and substitute therefor the attached title page.

IN THE DRAWINGS:

Please replace the informal drawings with the attached formal drawings.

Signed and Sealed this

Eighth Day of June, 2010

David J. Kappos Director of the United States Patent and Trademark Office

(12) United States Patent Wang et al.

(10) Patent No.: US 7,647,255 B2
(45) Date of Patent: Jan. 12, 2010

(54) ROTABLE INVENTORY CALCULATION METHOD

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(US)

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(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 1272 days.

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(22) Filed: Jan. 23, 2004

(65) Prior Publication Data

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(51) Int. Cl. *G06Q 10/00* (2006.01)

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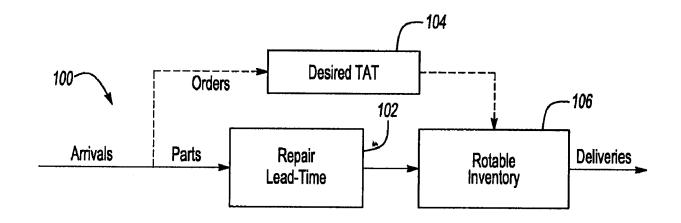
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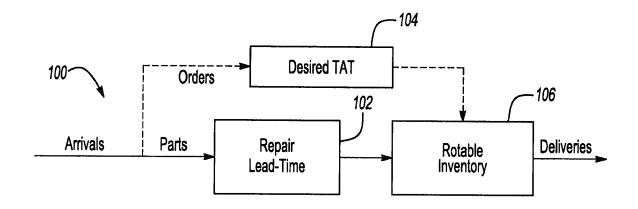
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(57) ABSTRACT

A method for conducting a repairable inventory analysis calculates the minimum number of repairable parts to be held in inventory while still being able to satisfy the demand for spare parts even in view of uncertain repair lead times. The method uses a set of equations that relates a customer service level to arbitrary probability distribution functions of a repair lead-time and a part arrival process. The distributions are then searched to locate the optimal inventory level in the distribution.

16 Claims, 3 Drawing Sheets





<u>|Fig-1</u>

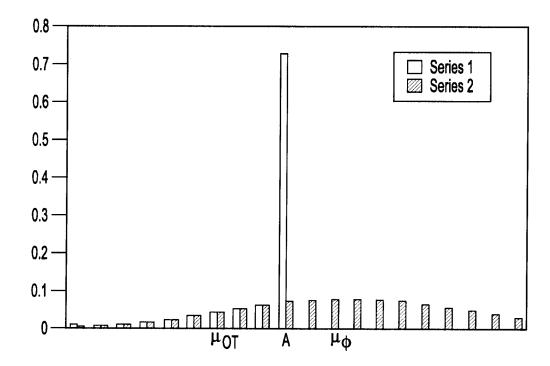


Fig-2

